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FILE 'USPATFULL' ENTERED AT 11:41:17 ON 09 MAR 2011 CA INDEXING COPYRIGHT (C) 2011 AMERICAN CHEMICAL SOCIETY (ACS)

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FILE 'USPAT2' ENTERED AT 11:41:17 ON 09 MAR 2011 CA INDEXING COPYRIGHT (C) 2011 AMERICAN CHEMICAL SOCIETY (ACS)

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L2 3 L1 AND 4-HALOPYRIDINIUM#

=> s l1 and (accelerating agent# or tetrafluoroborate#)
L4 3 L1 AND (ACCELERATING AGENT# OR TETRAFLUOROBORATE#)

=> s 14 and chloropyridine#

L5 2 L4 AND CHLOROPYRIDINE#

=> d 15 1-2

L5 ANSWER 1 OF 2 EPFULL COPYRIGHT 2011 EPO/FIZ KA/LNU on STN

AN 2005:30387 EPFULL EDP 20051123 ED 20051123 UP 20051123 DUPD 20051123 DUPW 200547

TIEN PROCESS FOR PRODUCING POLYPYRIDINIUM.

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       HEIJKANTS, Ralf, Guillaume, Jean, Catharina, Opwettensemolen 322,
       NL-5612 DP Eindhoven, NL
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       (1) E. MIYAUCHI ET AL.: "Dependence on pH of permeability towards
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       (1992-07-01), pages 329-333, XP000276766 London (GB) (INID56)
       (2) O. MEYER ET AL.: "Copolymers of N-isopropylacrylamide can trigger pH
       sensivity to stable liposomes" FEBS LETTERS , vol. 421, 2 January 1998
       (1998-01-02), pages 61-64, XP004261694 Amsterdam (NL) (INID56)
       (3) J. HOTZ ET AL.: "Polymer particles by templating of vesicles"
       ADVANCED MATERIALS, vol. 10, no. 16, 10 November 1998 (1998-11-10),
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       AMPHIPHILIC POLYMERIC VESICLES.
TIFR
       VESICULES POLYMERES AMPHIPHILES.
       AMPHIPHILE POLYMERE VESIKEL.
TIDE
ΙN
       MEIER, Wolfgang, Jakobsbergerholzweg 4, CH-4053 Basel, CH;
       HIRT, Thomas, Rohnackherstrasse 32, CH-9445 Rebstein, CH;
       VEBERT-NARDIN, Corinne, 18 A, rue de la Tuilerie, F-68390 Sausheim, FR
PA
       BioCure, Inc., 2975 Gateway Drive, Suite 100, Norcross, Georgia 30071,
PAN
       3321860
ΑG
       Harrison, David Christopher, et al, Mewburn Ellis LLP 33 Gutter Lane,
       London EC2V 8AS, GB
       31532
AGN
       Patent
DT
LAF
       English
LA
       English
LAP
       English
TL
       German; English; French
PIT
       EPB1 Granted patent
PΙ
       EP 1225873
                             B1 20060315
       WO 2001032146
                                20010510
DS
       AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR
ΑI
       EP 2000-991449
                           A 20001102
                             A 20001102
       WO 2000-US41791
       US 1999-163678P
                             P 19991105
PRAT
                             A 20000713
       US 2000-615305
       EP 552802
REP
                             A (INID56)
       WO 9749387
                             A (INID56)
       WO 9912059
                                (INID56)
                             Α
       (1) PATENT ABSTRACTS OF JAPAN vol. 1998, no. 09, 31 July 1998
REN
       (1998-07-31) & JP 10 110019 A (KATAOKA KAZUNORI), 28 April 1998
       (1998-04-28) (INID56)
       (2) A.V. KABANOV ET AL.: "a new class of drug carriers: micelles of poly
       (oxyethylene)-poly (oxypropylene) block copolymers as microcontainers for drug targeting from blood in brain" JOURNAL OF CONTROLLED RELEASE,
       vol. 22, no. 2, October 1992 (1992-10), pages 141-157, XP000291644
       Amsterdam (NL) (INID56)
       (3) DISCHER B.M. ET AL: 'Polymersomes: tough vesicles made from diblock
       copolymers' SCIENCE vol. 284, 14 May 1999, pages 1143 - 1146 (INID56)
       A61K0009-127
                      [I,A]; A61K0009-51
IPCI
                                                [I,A]
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ANSWER 6 OF 18
T.1
                         EPFULL COPYRIGHT 2011 EPO/FIZ KA/LNU on STN
       1997:35336
ΑN
                     EPFULL
       DUPD 20030102 DUPW 200301
TIEN
       Polymeric compound comprising one or more active alcohols.
TIFR
       Compose polymerique contenant un ou plus alcools actifs.
TIDE
       Ein oder mehrere aktive Alkohole enthaltende polymere Verbindung.
ΙN
       Heinzman, Stephen Wayne, 1 Three Mile Court, Gosforth,
       Newcastle-upon-Tyne NE3 2JP, GB;
       Struillou, Arnaud Pierre, 30 Ashley Close, Ashdown Manor, Killingworth,
       Newcastle-upon-Tyne NE12 0GD, GB
       THE PROCTER & GAMBLE COMPANY, (PROCTER & GAMBLE COMPANY, THE), One
PA
       Procter & Gamble Plaza, Cincinnati, Ohio 45202, US
PAN
       200173
       Mather, Peter Geoffrey, et al, BVBA Procter & Gamble Europe SPRL,
ΑG
       Temselaan 100, 1853 Strombeek-Bever, BE
AGN
       80812
DT
       Patent
LAF
       English
LA
       English
LAP
       English
TL
       German; English; French
PIT
       EPA1 Application published with search report
       EP 831143
                            A1 19980325
PΙ
       AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE
DS
                            A 19970516
ΑI
       EP 1997-303352
PRAI
       EP 1996-306834
                            A 19960919
IC.VER 7
ICM
      C11D001-00
       C08G073-02; C11D003-50; C11D003-37
ICS
       ANSWER 7 OF 18 PCTFULL COPYRIGHT 2011 LNU on STN
L1
ΑN
       2007021180
                   PCTFULL ED 20101202 UP 20101202 EDTX 20101202
       DUPD 20100927
TIEN
       METHOD OF MODIFYING MATERIALS SURFACES
TIFR
       PROCEDE DE MODIFICATION DE SURFACES DE MATERIAUX
       MAAS, Joost Hubert, Molenstraat 7, NL-3052 XC Rotterdam, NL, [NAT: NL,
IN
       RES: NL], for US only;
       TEN CATE, Aafke, Tessa, Hadewijchstraat 74, NL-5216 KE 's-Hertogenbosch,
       NL, [NAT: NL, RES: NL], for US only;
       HEIJKANTS, Ralf, Guillaume, Jean, Catharina, Opwettensemolen 322,
       NL-5612 DP Eindhoven, NL, [NAT: NL, RES: NL], for US only
       NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK
PΑ
       TNO, Schoemakerstraat 97, NL-2628 VK Delft, NL, [NAT: NL, RES: NL], for
       all designated states except US;
       MAAS, Joost Hubert, Molenstraat 7, NL-3052 XC Rotterdam, NL, [NAT: NL,
       RES: NL], for US only;
       TEN CATE, Aafke, Tessa, Hadewijchstraat 74, NL-5216 KE 's-Hertogenbosch,
       NL, [NAT: NL, RES: NL], for US only;
       HEIJKANTS, Ralf, Guillaume, Jean, Catharina, Opwettensemolen 322,
       NL-5612 DP Eindhoven, NL, [NAT: NL, RES: NL], for US only
AG
       VAN LOON, C.J.J., C/o Vereenigde, Johan De Wittlaan 7, NL-2517 JR The
       Haque, NL
LAF
       English
LA
       English
DT
       Patent; (Fulltext)
PΙ
       WO 2007021180 A1
                          20070222
DS
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       RW (EAPO):
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       RW (EPO):
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ΑI
       WO 2006-NL423
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PRAI
       EP 2005-76894
                             20050816
L1
       ANSWER 8 OF 18 PCTFULL COPYRIGHT 2011 LNU on STN
                  PCTFULL ED 20101204 UP 20101204
ΑN
       2005090443
       DUPD 20100426
       PROCESS FOR PRODUCING POLYPYRIDINIUM
TIEN
       PROCESSUS DE PRODUCTION DE POLYPYRIDINIUM
TIFR
       IYODA, Tomokazu, 5-9-14-404, Minami-Osawa, Hachioji-shi, Tokyo, 1920364,
IN
       JP, [NAT: JP, RES: JP], for US only;
       KAMATA, Kaori, 4-28-25-502, Chuo-rinkan, Yamato-shi, Kanagawa, 2420007,
       JP, [NAT: JP, RES: JP], for US only;
       SUZUKI, Yukimitsu, 3-12-9, Kotobukicho, Atsugi-shi, Kanagawa, 2430003,
       JP, [NAT: JP, RES: JP], for US only
       JAPAN SCIENCE AND TECHNOLOGY AGENCY, 4-1-8, Honcho, Kawaguchi-shi,
PΑ
       Saitama, 3320012, JP, [NAT: JP, RES: JP], for all designated states
       except US
ΑG
       SHIMODA, Akira, 4kai, Kyobashi-Nichiei Biru, 3-4, Kyobashi 3-chome,
       Chuo-ku, Tokyo, 1040031, JP
LAF
       Japanese
       Japanese
LA
DT
       Patent
PΙ
                          20050929
       WO 2005090443 A1
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       WO 2005-JP5180
ΑI
                             20050323
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       ANSWER 9 OF 18 PCTFULL COPYRIGHT 2011 LNU on STN
L1
ΑN
       2001088025
                   PCTFULL ED 20101209 UP 20101209 EDTX 20101209
       DUPD 20100708
TIEN
       MEMBRANES FORMED FROM AMPHIPHILIC COPOLYMERS
       MEMBRANES FORMEES DE COPOLYMERES AMPHIPHILES
TIFR
       MEIER, Wolfgang, Jakobsbergerholzweg 4, CH-4053 Basel, CH;
       NARDIN, Corinne, 2, residence Charles Kroepfle, F-68300 St. Louis, FR;
       WINTERHALTER, Mathias, IPBS CNRS (UPR 9062), 205, route de Narbonne,
       F-31077 Toulouse, FR
       BIOCURE, INC., Suite 100, 2975 Gateway Drive, Norcross, GA 30071, US
PΑ
       BEARD, Collen, A., BioCure, Inc., Suite 100, 2975 Gateway Drive,
AG
       Norcross, GA 30071, US
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English
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PΙ
       WO 2001088025 A1
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       WO 2001-US15796
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       US 2000-204456P
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       ANSWER 10 OF 18 PCTFULL COPYRIGHT 2011 LNU on STN
L1
       2001037803 PCTFULL ED 20101209 UP 20101209 EDTX 20101209
ΑN
       DUPD 20101012
TIEN
       RESPONSIVE POLYMERIC HOLLOW PARTICLES
TIFR
       PARTICULES POLYMERES CREUSES SENSIBLES
       MEIER, Wolfgang, Jakobsbergerholzweg 4, CH-4053 Basel, CH;
TN
       SAUER, Marc, Offenburgerstrasse 36, CH-4057 Basel, CH
       BIOCURE, INC., Suite 100, 2976 Gateway Drive, Norcross, GA 30071, US
PΑ
       BEARD, Collen, A., BioCure, Inc., Suite 100, 2975 Gateway Drive,
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       Norcross, GA 30071, US
LAF
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       WO 2001037803 A2
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ΑI
       WO 2000-US42194
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PRAI
       US 1999-165494
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       ANSWER 11 OF 18 PCTFULL COPYRIGHT 2011 LNU on STN
T.1
                  PCTFULL ED 20101208 UP 20101208 EDTX 20101208
AN
       2001032146
       DUPD 20101012
       AMPHIPHILIC POLYMERIC VESICLES
TIEN
       VESICULES POLYMERES AMPHIPHILES
TIFR
       MEIER, Wolfgang, Jakobsbergerholzweg 4, CH-4053 Basel, CH;
ΙN
       HIRT, Thomas, Rohnackherstrasse 32, CH-9445 Rebstein, CH;
       NARDIN, Corinne, 2, residence Charles Kroepfle, F-68300 St. Louis, FR
       BIOCURE, INC., Suite 100, 2975 Gateway Drive, Norcross, GA 30071, US
PA
       BEARD, Collen, A., BioCure, Inc., Suite 100, 2975 Gateway Drive,
AG
       Norcross, GA 30071, US
LAF
       English
LA
       English
DT
       Patent; (Fulltext)
PΙ
       WO 2001032146 A2
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DS
                      AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
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       US 1999-163678
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       US 2000-530500P
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T.1
     ANSWER 12 OF 18 USPATFULL on STN
ΑN
       2009:312912 USPATFULL
TΙ
       Method of Modifying Materials Surfaces
       Maas, Joost Hubert, Helmond, NETHERLANDS
ΤN
       Ten Cate, Aafke Tessa, 's-Hertogenbosch, NETHERLANDS
       Heijkants, Ralf Guillaume Jean Catharina, Eindhoven, NETHERLANDS
       US 20090280157
                           A1 20091112
PΤ
                           A1
ΑI
       US 2006-990544
                               20060816 (11)
       WO 2006-NL423
                               20060816
                               20080512 PCT 371 date
PRAI
       EP 2005-76894
                               20050816
       Utility
       APPLICATION
LN.CNT 1358
INCL
       INCLM: 424/426.000
       INCLS: 427/021.000; 523/105.000; 424/445.000; 514/772.300
       NCLM:
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NCL.
             424/445.000; 427/002.100; 514/772.300; 523/105.000
       NCLS:
              A61F0002-82 [I,A]; B05D0003-10 [I,A]; A61L0015-00 [I,A];
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IPC
              A61K0047-30 [I,A]
              A61F0002-82 [I,C]; A61F0002-82 [I,A]; A61K0047-30 [I,C];
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              A61K0047-30 [I,A]; A61L0015-00 [I,C]; A61L0015-00 [I,A];
              B05D0003-10 [I,C]; B05D0003-10 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L1
     ANSWER 13 OF 18 USPATFULL on STN
ΑN
       2008:152379 USPATFULL
ΤI
       Method for Producing Polypyridinium
IN
       Iyoda, Tomokazu, Tokyo, JAPAN
       Kamata, Kaori, Yamato-shi, JAPAN
       Suzuki, Yukimitsu, Atsugi-shi, JAPAN
       Takeuchi, Masahiro, Tokyo, JAPAN
РΤ
       US 20080132676
                           A1 20080605
       US 2005-593176
                           A1 20050323 (10)
ΑI
       WO 2005-JP5180
                               20050323
                               20080122 PCT 371 date
       JP 2004-84518
PRAI
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DT
       Utility
FS
       APPLICATION
LN.CNT 580
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NCL
       NCLM:
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IPC
       IPCI
              C08G0073-06 [I,A]; C08G0073-00 [I,C*]
       IPCR
              C08G0073-00 [I,C]; C08G0073-06 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
    ANSWER 14 OF 18 USPATFULL on STN
T.1
       2005:173685 USPATFULL
MA
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```
Amphiphilic polymeric vesicles
ΤI
ΙN
       Meier, Wolfgang, Basel, SWITZERLAND
       Hirt, Thomas, Rebstein, SWITZERLAND
       Nardin, Corinne, St. Louis, FRANCE
PA
       BioCure, Inc., Norcross, GA, UNITED STATES (U.S. corporation)
PΙ
       US 6916488
                           B1 20050712
ΑI
       US 2000-615305
                               20000713 (9)
       US 1999-163678P
                               19991105 (60)
PRAI
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LN.CNT 1165
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       INCLS: 424/001.210; 424/009.321; 424/009.510; 424/489.000
NCL
       NCLM:
             424/450.000
             424/001.210; 424/009.321; 424/009.510; 424/489.000
       NCLS:
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              A61K0009-127 [ICM, 7]
       IPCR
              A61K0047-30 [I,C*]; A61K0047-30 [I,A]; A61K0009-127 [I,C*];
              A61K0009-127 [I,A]; A61K0009-51 [I,C*]; A61K0009-51 [I,A];
              A61K0047-34 [I,C*]; A61K0047-34 [I,A]; C08G0081-00 [I,C*];
              C08G0081-00 [I,A]
       424/450; 424/1.21; 424/9.321; 424/9.51; 424/417; 424/943; 436/829;
EXF
       428/402.2; 426/489-502
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 15 OF 18 USPATFULL on STN
L1
AN
       2003:240237 USPATFULL
ΤI
       Triblock copolymer hollow particles for agent delivery by permeability
       change
       Meier, Wolfgang, Basel, SWITZERLAND
IN
       Sauer, Marc, Basel, SWITZERLAND
       BioCure, Inc., Norcross, GA, United States (U.S. corporation)
PA
       US 6616946
                           B1 20030909
PΙ
ΑI
       US 2000-713986
                               20001115 (9)
       US 1999-165494P
PRAI
                               19991115 (60)
DT
       Utility
       GRANTED
LN.CNT 1360
INCL
       INCLM: 424/489.000
       INCLS: 424/490.000; 424/497.000; 435/004.000; 435/178.000; 435/152.000;
              436/529.000; 436/531.000; 530/813.000; 530/817.000
NCL
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       NCLS:
              424/490.000; 424/497.000; 435/004.000; 435/152.000; 435/178.000;
              436/529.000; 436/531.000; 530/813.000; 530/817.000
IPC
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              A61K0009-50 [ICM, 7]; C12N0011-04 [ICS, 7]; C12N0011-00 [ICS, 7, C*];
              C12Q0001-00 [ICS,7]; G01M0033-545 [ICS,7]; C07K0017-08 [ICS,7];
              C07K0017-00 [ICS,7,C*]
              A61K0009-00 [I,C*]; A61K0009-00 [I,A]; A61K0009-50 [N,C*];
              A61K0009-50 [N,A]; A61K0009-51 [I,C*]; A61K0009-51 [I,A]
EXF
       435/177; 435/180; 435/182; 435/4; 435/178; 424/489; 424/490; 424/497;
       436/529; 436/531; 530/813; 530/817
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 16 OF 18 USPATFULL on STN
L1
ΑN
       2002:67333 USPATFULL
ΤI
       Amphiphilic copolymer planar membranes
TM
       Meier, Wolfgang, Basel, SWITZERLAND
       Nardin, Corinne, St. Louis, FRANCE
```

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Winterhalter, Mathias, Toulouse, FRANCE
       US 20020037986
                        A1 20020328
PΙ
                           B2 20040420
       US 6723814
       US 2001-859177
                           A1 20010516 (9)
ΑI
PRAI
       US 2000-204456P
                               20000516 (60)
DT
       Utility
FS
       APPLICATION
LN.CNT 1075
       INCLM: 526/279.000
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       INCLS: 264/236.000; 264/347.000; 264/494.000
NCL
       NCLM: 526/279.000
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       NCLS:
              522/091.000; 522/096.000; 522/148.000; 522/150.000; 522/151.000;
              522/152.000; 522/153.000; 522/154.000; 522/157.000; 522/172.000;
              522/173.000; 522/178.000; 522/181.000; 522/182.000; 526/291.000;
              526/297.000; 526/303.100; 526/307.400; 526/308.000; 526/310.000;
              526/317.100; 526/318.000; 526/318.250; 526/318.410; 526/332.000;
              526/335.000; 526/346.000; 526/348.000; 264/236.000; 264/347.000;
              264/494.000
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              C08F0030-08 [ICM,7]; C08F0030-00 [ICM,7,C*]; B29C0071-00 [ICS,7]
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       IPCI-2 C08F0002-46 [ICM,7]; C08F0030-08 [ICS,7]; C08F0030-00 [ICS,7,C*]
              A61K0009-00 [I,C*]; A61K0009-00 [I,A]; B01D0069-00 [I,C*];
              B01D0069-02 [I,A]; B01D0069-12 [I,A]; B01D0069-14 [I,A];
              B01D0071-00 [I,C*]; B01D0071-44 [I,A]; B01D0071-80 [I,A];
              C08F0002-46 [I,C*]; C08F0002-46 [I,A]; C08J0005-20 [I,C*];
              C08J0005-22 [I,A]; G01N0027-40 [N,C*]; G01N0027-40 [N,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 17 OF 18 USPATFULL on STN
L1
ΑN
       2001:18444 USPATFULL
ΤI
       Polymeric compound comprising one or more active alcohols
       Heinzman, Stephen Wayne, Newcastle upon Tyne, United Kingdom
ΙN
       Struillou, Arnaud Pierre, Newcastle upon Tyne, United Kingdom
PA
       The Procter & Gamble Company, Cincinnnati, OH, United States (U.S.
       corporation)
PΙ
       US 6184197
                           B1 20010206
       WO 9812236
                               19980326
ΑI
       US 1999-254728
                               19990901 (9)
       WO 1997-US15983
                               19970910
                               19990901 PCT 371 date
                               19990901 PCT 102(e) date
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PRAI
                               19960919
       EP 1997-303352
                               19970516
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DТ
FS
       Granted
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       NCLM: 510/475.000
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              C11D0003-37 [I,A]; C11D0003-37 [I,C*]; C11D0003-50 [I,A];
       IPCR
              C11D0003-50 [I,C*]
EXF
       526/263; 510/475
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L1
     ANSWER 18 OF 18 USPAT2 on STN
ΑN
       2002:67333 USPAT2
ΤТ
       Amphiphilic copolymer planar membranes
```

ductruong

```
Meier, Wolfgang, Basel, SWITZERLAND
TN
       Nardin, Corinne, St. Louis, FRANCE
       Winterhalter, Mathias, Toulouse, FRANCE
       BioCure, Inc., Norcross, GA, United States (U.S. corporation)
PA
PΙ
       US 6723814
                           B2 20040420
ΑI
       US 2001-859177
                               20010516 (9)
PRAI
       US 2000-204456P
                               20000516 (60)
       Utility
DT
FS
       GRANTED
LN.CNT 1080
INCL
       INCLM: 526/279.000
       INCLS: 526/303.100; 526/297.000; 526/291.000; 526/317.100; 526/310.000;
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              526/332.000; 526/335.000; 526/346.000; 526/348.000; 522/060.000;
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              522/096.000; 522/148.000; 522/172.000; 522/150.000; 522/151.000;
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              522/178.000; 522/181.000; 522/182.000
NCL
       NCLM:
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              522/031.000; 522/060.000; 522/084.000; 522/086.000; 522/087.000;
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              526/297.000; 526/303.100; 526/307.400; 526/308.000; 526/310.000;
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              264/494.000
IPC
       [7]
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       IPCI-2 C08F0002-46 [ICM, 7]; C08F0030-08 [ICS, 7]; C08F0030-00 [ICS, 7, C*]
              A61K0009-00 [I,C*]; A61K0009-00 [I,A]; B01D0069-00 [I,C*];
              B01D0069-02 [I,A]; B01D0069-12 [I,A]; B01D0069-14 [I,A];
              B01D0071-00 [I,C*]; B01D0071-44 [I,A]; B01D0071-80 [I,A];
              C08F0002-46 [I,C*]; C08F0002-46 [I,A]; C08J0005-20 [I,C*];
              C08J0005-22 [I,A]; G01N0027-40 [N,C*]; G01N0027-40 [N,A]
EXF
       526/279; 526/303.1; 526/297; 526/291; 526/317.1; 526/310; 526/308;
       526/307.4; 526/318; 526/318.25; 526/318.41; 526/332; 526/335; 526/346;
       526/348; 522/84; 522/86; 522/87; 522/91; 522/96; 522/99; 522/148;
       522/172; 522/150; 522/151; 522/152; 522/153; 522/154; 522/157; 522/173;
       522/178; 522/181; 522/182
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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